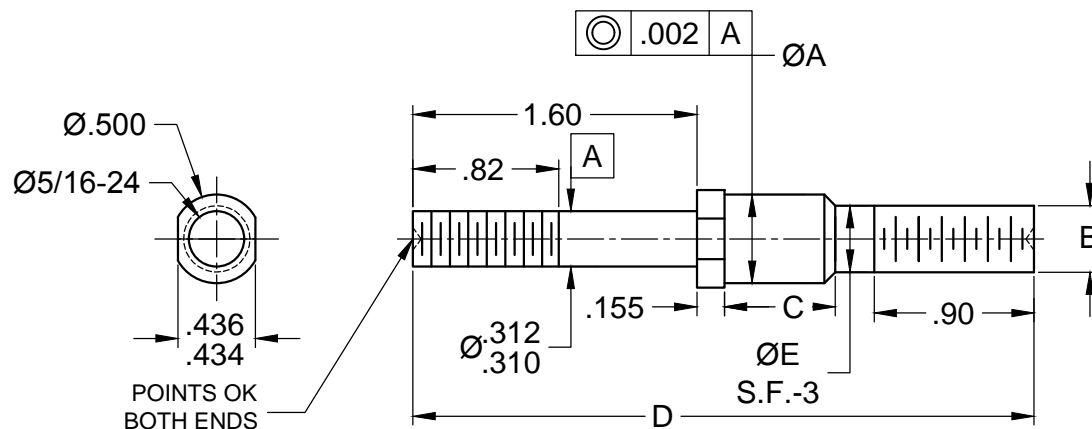


(-11)
STUD



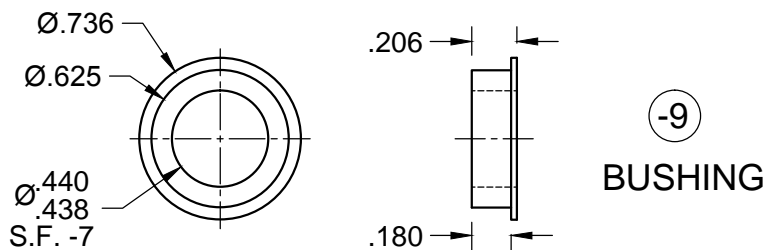
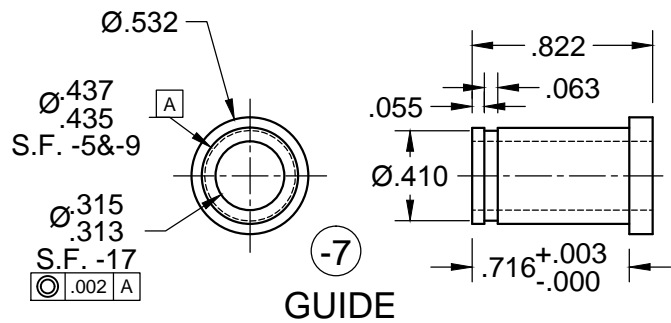
UNDER REVIEW

URF 19-1107 19.10.30 (VM)

BEARING # BACB10	TOOL #	ØA +.000 -.002	B	C +.000 -.010	D +.010 -.010	ØE +.000 -.002	MATERIAL	-27 SWIVEL FLANGE NUT
GBO4G	KSCGB04P	.248	1/4-20 UNC	.300	3.400	.248	4140 Q&T RND. BAR Ø3/8 x 3-1/2	1/4-20 UNC MCMaster-CARR PN: 90477A029
GBO5G	KSCGB05P	.310	1/4-20 UNC	.300	3.400	.248	4140 Q&T RND. BAR Ø3/8 x 3-1/2	1/4-20 UNC MCMaster-CARR PN: 90477A029

RED BARN MACHINE	
TITLE PORT. BEARING CUTTER; STUD	
DWG NO. TOOL#(see chart)-11	REV -
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
TOLERANCES ON: DECIMALS .XXX ± .005 .XX ± .01 .X ± .1	
FRACTIONS ± 1/32 ANGLES ± 5°	
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
SCALE NTS	DATE 12-1-08
SHEET 6 of 6	

DRAWN BY:	PERRITT
APPROVED	
HEAT TREAT	
FINISH SPEC	BLACK OXIDE
USED ON BEARING	
SEE CHART	




UNDER REVIEW

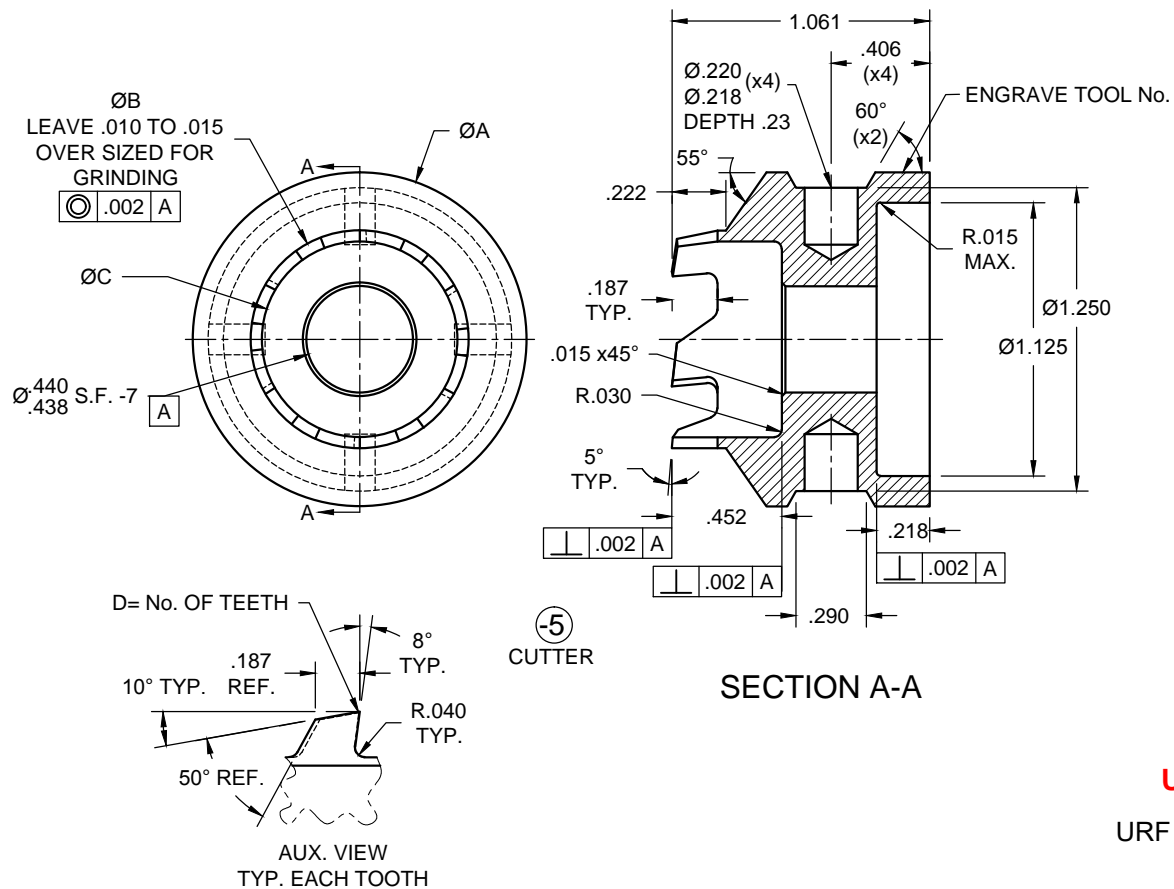
URF 19-1107 19.10.30 (VM)

NOTE

1. DIMENSIONS FOR -7 &-9 ARE STANDARD FOR THESE PORTABLE BEARING CUTTERS.

PART #	DESCRIPTION	MATERIAL
-7	GUIDE	BRONZE RND. BAR Ø5/8 x 1
-9	BUSHING	BRONZE RND. BAR Ø3/4 x 3/8

 RED BARN MACHINE			
TITLE PORT. BEARING CUTTER; GUIDE & BUSHING			
DWG NO. TOOL # (see chart) -7 & -9		REV -	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON: DECIMALS .XXX $\pm .005$.XX $\pm .01$.X $\pm .1$		DRAWN BY: PERRITT APPROVED HEAT TREAT FINISH SPEC	
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING		USED ON BEARING 	
SCALE NTS	DATE 12-1-08	SHEET 5	of 6

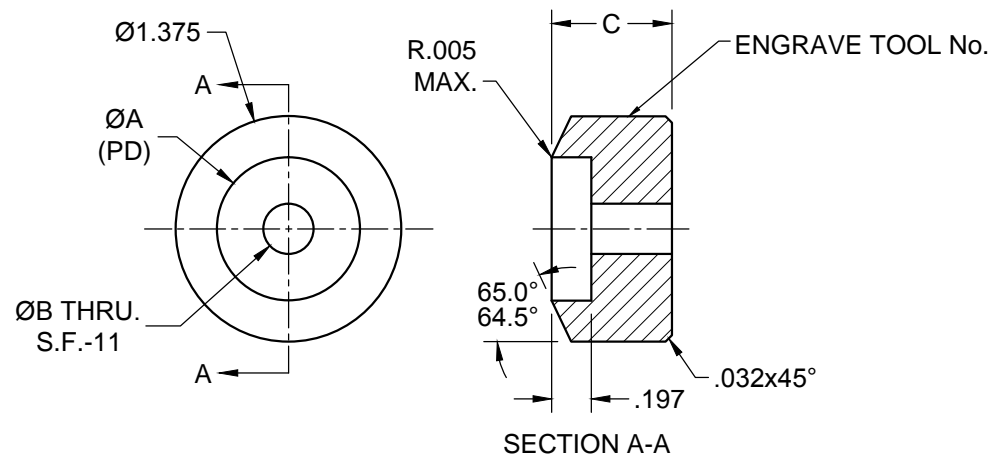


UNDER REVIEW

URF 19-1107 19.10.30 (VM)

BEARING # BACB10	TOOL #	ØA +0.00 -0.010	ØB +0.00 -0.002	ØC +0.00 -0.005	D TOOTH AMT.	BRG. O.D.	MATERIAL
GBO4G	KSCGB04P	1.375	.677	.557	6	.6875	0-1 DRILL ROD Ø1-3/8 x 1-7/16
GBO5G	KSCGB05P	1.375	.771	.651	6	.7813	0-1 DRILL ROD Ø1-3/8 x 1-7/16

RED BARN MACHINE	
TITLE PORT. BEARING CUTTER; CUTTER	
DWG NO. TOOL#(see chart)-5	REV -
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
TOLERANCES ON: DECIMALS .XXX ± .005 .XX ± .01 X ± .1	
FRACTIONS ± 1/32 ANGLES ± 5°	
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
SCALE NTS	DATE 12-1-08
SHEET 4 of 6	
DRAWN BY: PERRITT	
APPROVED	
HEAT TREAT RC 55-60	
FINISH SPEC BLACK OXIDE	
USED ON BEARING	
SEE CHART	



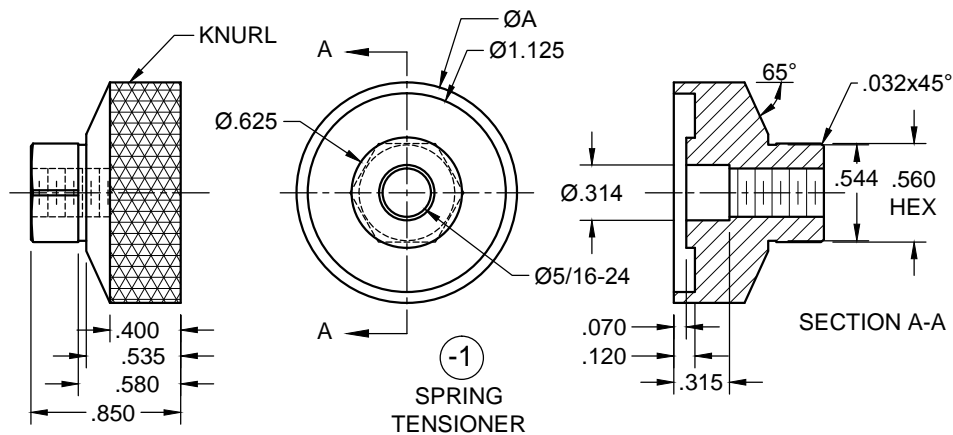
(-3)
SEAT

UNDER REVIEW

URF 19-1107 19.10.30 (VM)

BEARING # BACB10	TOOL #	ØA +.002 -.000	ØB +.002 -.000	C +.005 -.005	MATERIAL
GBO4G	KSCGB04P	.618	.250	.681	4140 Q&T RND. BAR Ø1-3/8 x 7/8
GBO5G	KSCGB05P	.681	.313	.681	4140 Q&T RND. BAR Ø1-3/8 x 7/8


RED BARN MACHINE	
TITLE PORT. BEARING CUTTER; SEAT	
DWG NO. TOOL#(see chart)-3	REV -
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
TOLERANCES ON:	
DECIMALS .XXX ± .005 FRACTIONS ± 1/32 .XX ± .01 ANGLES ± 5° X ± .1	
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
SCALE NTS	DATE 12-1-08
SHEET 3 of 6	
DRAWN BY: PERRITT APPROVED HEAT TREAT FINISH SPEC BLACK OXIDE USED ON BEARING SEE CHART	



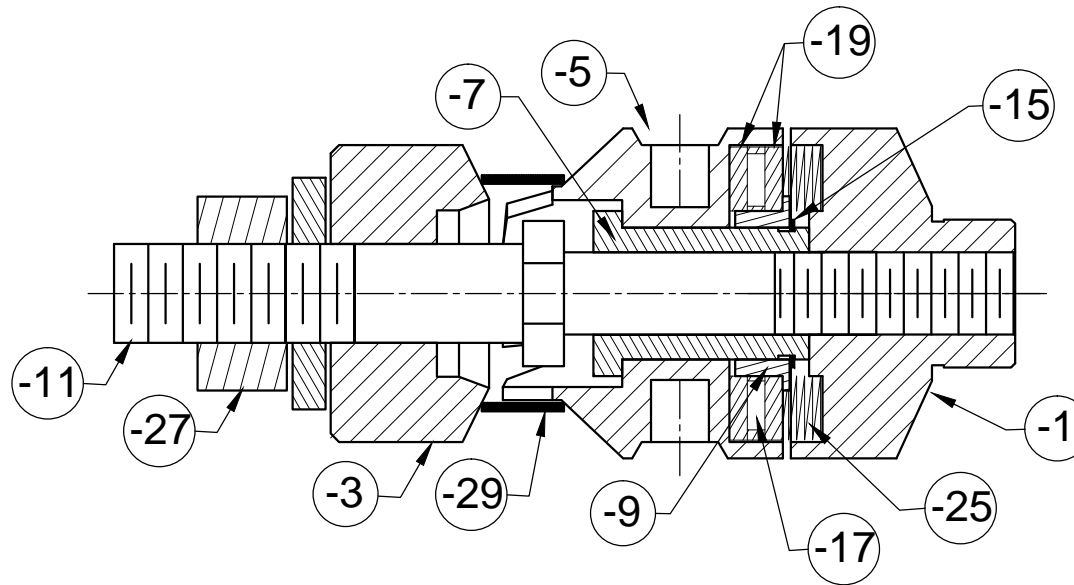
UNDER REVIEW

URF 19-1107 19.10.30 (VM)

BEARING # BACB10	TOOL #	ØA +.000 -.010	MATERIAL
GBO4G	KSCGB04P	1.375	1018 RND. BAR Ø1-3/8 x 1-1/8
GBO5G	KSCFB05P	1.375	1018 RND. BAR Ø1-3/8 x 1-1/8

 RED BARN MACHINE			
TITLE PORT. BEARING CUTTER; SPRING TENSIONER			
DWG NO. TOOL#(see chart)-1			REV -
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON: DECIMALS .XXX ± .005 .XX ± .01 X ± .1		DRAWN BY: PERRITT APPROVED HEAT TREAT FINISH SPEC BLACK OXIDE USED ON BEARING SEE CHART	
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING		SCALE NTS DATE 12-1-08 SHEET 2 of 6	

REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
-	-	-	-	-




UNDER REVIEW

URF 19-1107 19.10.30 (VM)

BEARINGS & TOOLS COVERED	
BEARING #	TOOL #
BACB10GB04G	KSCGB04P
BACB10GB05G	KSCGB05P

ASSY QTY	ASSY QTY	B/O	PART #	UNIT QTY	DESCRIPTION	MAT.	B/O INFORMATION OR SPECIFICATIONS	Pg.
			-1	1	SPRING TENSIONER		SEE CHART	2
			-3	1	SEAT		SEE CHART	3
			-5	1	CUTTER		SEE CHART	4
			-7	1	GUIDE		SEE CHART	5
			-9		BUSHING		SEE TABLE	5
			-11	1	STUD		SEE CHART	6
		B/O	-15	1	EXTERNAL SPIRAL RETAINING RING		Ø3/8 SHAFT MCMASTER-CARR PN: 91665A340	1
		B/O	-17	1	THRUST BEARING		Ø5/8 ID. x 1-1/8 OD. x 5/64 APPLIED PN: NTA-1018	1
		B/O	-19	2	THRUST WASHERS		Ø5/8 ID. x 1-1/8 OD. x 1/16 APPLIED PN: TRB-1018	1
		B/O	-23	1	SPANNER WRENCH		MCMASTER-CARR PN: 5475A12	N/S
		B/O	-25	1	CREST TO CREST SPRING		APPLIED IND, (SMALLEY CO. PN: CS112-H2)	1
		B/O	-27	1	SWIVEL HEX FLANGE NUT	BLACK	SEE CHART	6
		B/O	-29	1	TOOTH GUARD (FOR SHIPPING ONLY)	TUBE VINYL	SEE -5 ØB PAGE 4 FOR INSIDE DIA. OF TUBE x 5/8 LENGTH	1
ASSY #								

 RED BARN MACHINE		TITLE	
		PORTABLE BEARING CUTTERS	
DWG NO.	SEE CHART ABOVE FOR TOOL No.		REV -
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		DRAWN BY: PERRITT	
TOLERANCES ON:		APPROVED	
DECIMALS .XXX ± .005		HEAT TREAT SEE PART	
FRACTIONS ± 1/32		FINISH SEE PART	
ANGLES ± 5°		USED ON BEARING	
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R		SEE CHART	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING			
SCALE	NTS	DATE	12-1-08
		SHEET	1 of 6

NOT APPROVED FOR PRODUCTION

UNDER REVIEW

URF 19-1107 19.10.30 (V

 RED BARN MA

URF 19-1107 19.10.30 (VM)

 RED BARN MACHINE


NOT APPROVED FOR PRODUCTION

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED

UNDER REVIEW

URF 19-1107 19.10.30 (VM)

	PART #	QTY	DESCRIPTION
	-1	1	--

DRAWN BY: PERRITT	 RED BARN MACHINE
CHECKED	
HEAT TREAT FINISH SPEC	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON: DECIMALS .XXX ± .005 FRACTIONS ± 1/32 .XX ± .01 ANGLES ± .5° .X ± .1	

USED ON MODEL	TITLE
?	

UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	DWG NO. PART #	REV.
	SCALE NTS	DATE 1-28-06
		SHEET 1 of 1